

FIG. 1

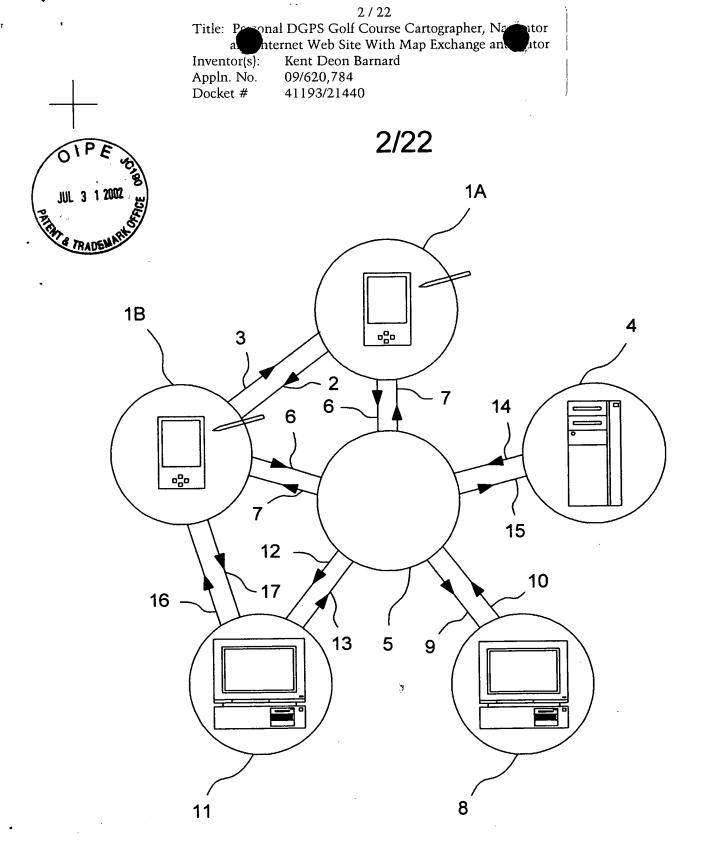
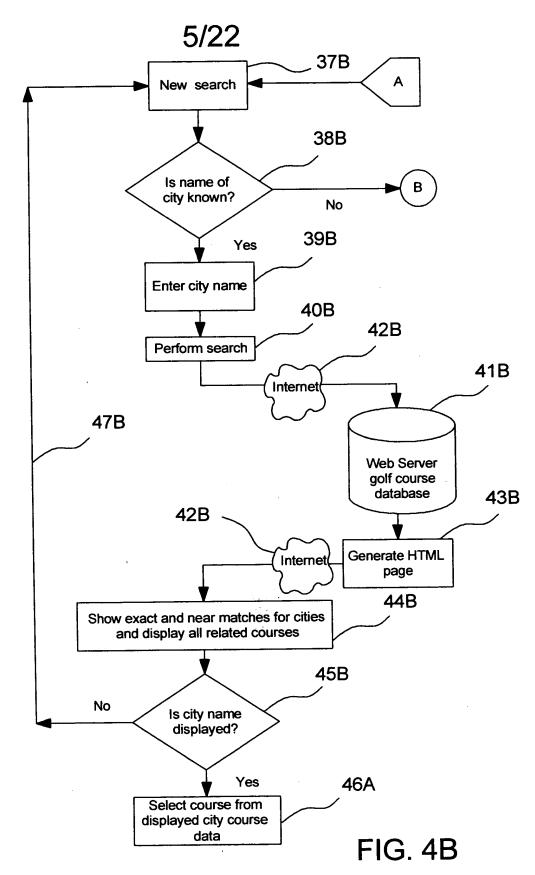


FIG. 2

The: Personal DGPS Golf Course Cartograp Navigator and Internet Web Site With Map Exch. Se and Tutor Inventor(s): Kent Deon Barnard

Appln. No. 09/620,784 Docket # 41193/21440





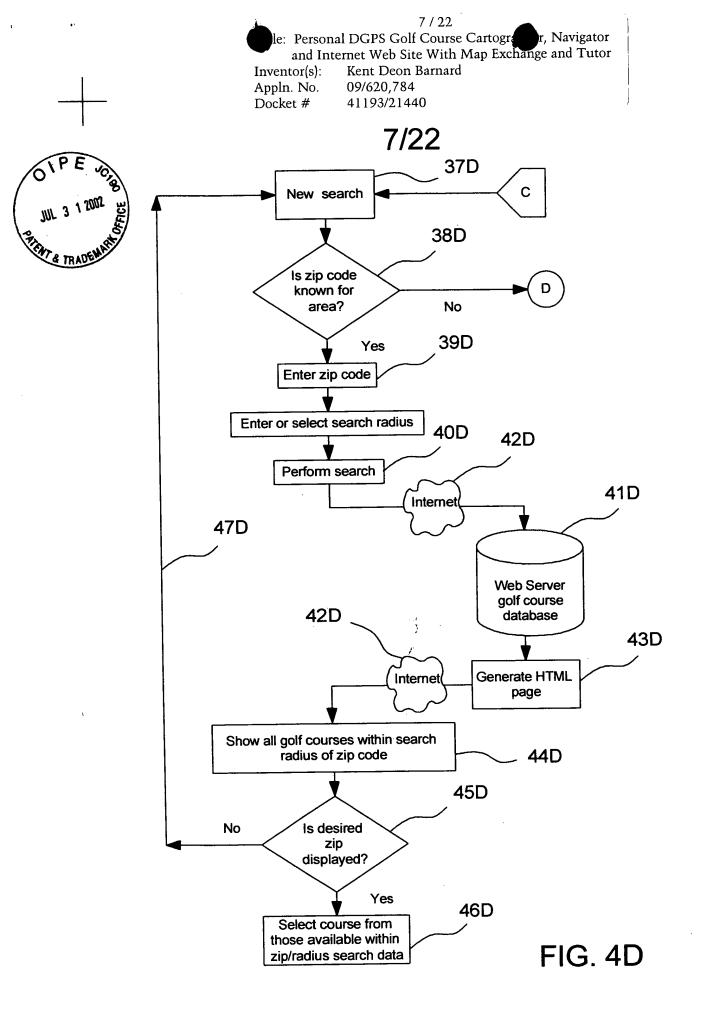
46C

FIG. 4C

Yes

Select course from displayed state course

data



Yes

FIG. 4E

Select course from those available within

city/radius search data

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Inventor(s): Kent Deon Barnard

Appln. No. 09/620,784 Docket # 41193/21440



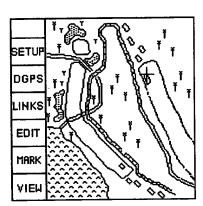


FIG. 5

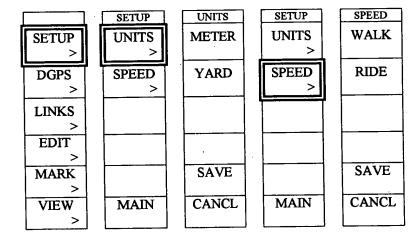


FIG. 6

Title: Pasonal DGPS Golf Course Cartographer, N Internet Web Site With Map Exchange a

Kent Deon Barnard Inventor(s):

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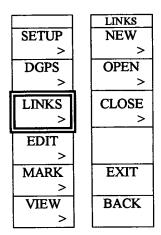


FIG. 7

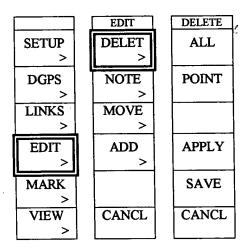


FIG. 8

Title Personal DGPS Golf Course Cartograph and Laternet Web Site With Map Exchange and Later **Navigator** 

Inventor(s): Appln. No.

Kent Deon Barnard

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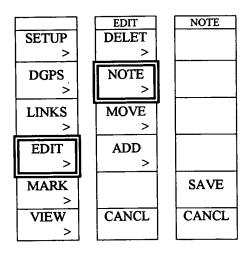


FIG. 9

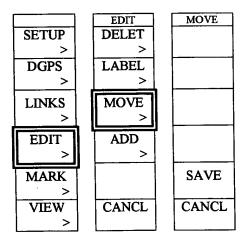


FIG. 10

Personal DGPS Golf Course Cartograph Navigator and Internet Web Site With Map Exchange and Tutor

Inventor(s):

Kent Deon Barnard

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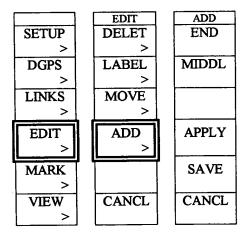


FIG. 11

	AREA	A or L	A/L/Pt	LINE	POINT
SETUP	TEE	BUNKR	TREE	PATH	PIN
>					
DGPS	FRWAY	ROUGH	BUSH	OB	C-o-G
>					
LINKS	GREEN	WATER	ROCK	DITCH	
>	i		see to		
EDIT	HOLE	BLDG	MOUND		
>					
MARK					
>					
VIII	BACK		OTHER		"
VIEW	DACK		OTHER		
>		I	J	l	L

FIG. 12

Title: Jonal DGPS Golf Course Cartographer, Navator Internet Web Site With Map Exchange all Jutor

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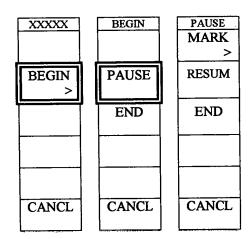


FIG. 13

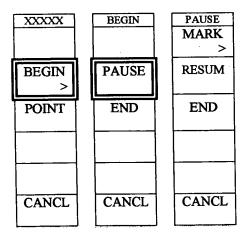


FIG. 14

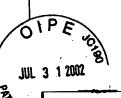
Title Personal DGPS Golf Course Cartographer, Vigator d Internet Web Site With Map Exchange and Tutor

Inventor(s): Appln. No.

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										,	,				_			
21	TEE	FRWAY	GREEN	HOLE	BUNKR	ROUGH	WATER	TREE	BUSH	ROCK	MOUND	OTHER	PATH	OB	DITCH	CoG	FoG	PIN
Area	X	X	X	X	X	X	X	X	X	X	X	X						
Line				ė	X	X	X	X	X	X	X	X	X	X	X			
Point								X	X	X	X	X		l <u> </u>		X	X	X
Hole Association	X	X	X	X	X	0	0	0	0	0	0	0	0	0	0	X	X	X
- I I I I I I I I I I I I I I I I I I I						L			7.7	<del>'                                    </del>		· ~						

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FIG. 15

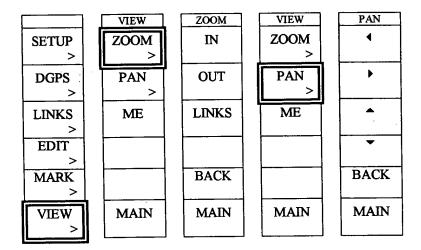


FIG. 16



onal DGPS Golf Course Cartographer, Nicosator Title: Internet Web Site With Map Exchange at

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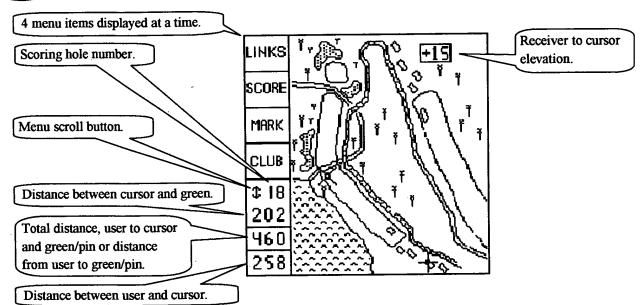


FIG. 17

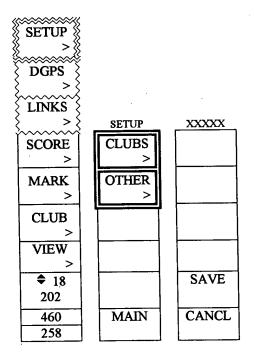


FIG. 18

Title:

Personal DGPS Golf Course Cartogramer, Navigator and Internet Web Site With Map

Exchange and Tutor

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Mark Green Strokes

O No

Green Reference Point

Daily Pin Placement

O Center of Green

O Front of Green

System Units

English US (Yards)

O Metric (Meters)

**Cursor Ghost Lines** 

O On Off

Display Elevation Window

O Yes 

No

Default Target Cursor Distance: 999

O feet • meters

Antenna Height: 999

Concentric Rover Circles

O On ● Off

O yards/meters • feet

FIG. 19

SETUP DGPS	
LINKS	LINKS
SCORE >	
MARK >	
CLUB >	
VIEW >	
<b>\$</b> 18	SAVE
202	<u> </u>
460	CANCL
258	

Pine Hills Country Club  ♦ Rating: 69.9 Slope: 126					
Number: 1					
Par: 9 Handicap: 99					
Color: Gold					
◆ Advertised Yardage: 999					

FIG. 20

Personal DGPS Golf Course Cartographer, Navigator ind Internet Web Site With Map Exchang

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SETUP DGPS LINKS	SCORE
SCORE >	PUTTS >
MARK >	PNLTY >
CLUB >	EDIT
VIEW >	NEW ROUND
<b>\$</b> 18	
202	
460	MAIN
258	

_	PUTTS
	PUTTES
	CANE
	SAVE
	CANCL

Hole Number: 7						
1	2	3				
4	5	6				
7	8	9				
	0					

FIG. 21

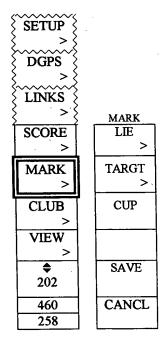


FIG. 22

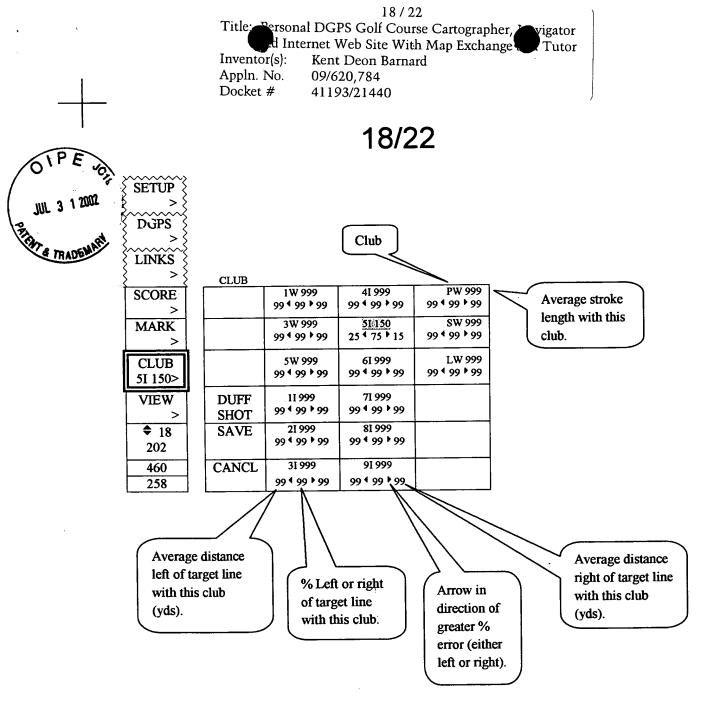


FIG. 23

Title: Sonal DGPS Golf Course Cartographer, Navigator Internet Web Site With Map Exchange a Putor

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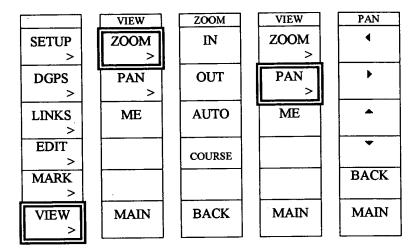


FIG. 24

Target Cursor	Point	×
Lie Marker	Point	+
Target Marker	Point	×
Pin	Point	1

FIG. 25

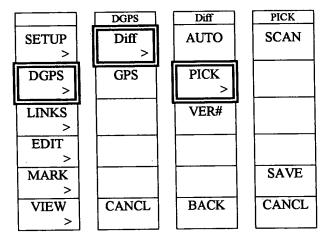


FIG. 26

Title: Pirsonal DGPS Golf Course Cartographer, igate Internet Web Site With Map Exchange Tuto

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Transmitter Location	Signal Strength/Signal to	Signal Strength/Signal to Noise Ratio			
St Louis, MO		65/25	73		
Rock Island, IL		51/14	162		
Louisville, KY		43/12	105		
Memphis, TN		39/11	135		
Kansas City, MO		15/5	187		
	Stilouis, MO  Rock Island, IL  Louisville, KY  Memphis, TN	St Louis MO	Sti Louis MO		

FIG. 27

MSG	Data	Format
GGA	UTC of Position	hhmmss.ss
GGA	Latitude, Direction	ddmm.mmmmmm, X
GGA	Longitude, Direction	dddmm.mmmmmm, X
GGA	Quality	9
į	1. Autonomous Position (GPS	1.
	SPS mode)	
ļ	<ol><li>RTCM differential corrected</li></ol>	
	position	
GGA	# of Satellites in use	99
GGA	HDOP	
GGA	Age of Differential	999
GGA	Diff. Station ID	9999
RMC	Status (Null, A, V)	X
RMC	Date	mmddyy

FIG. 28

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Feature	Туре	Symbol
Hole	Area	na
Tee Box	Area	Solid line
Green	Area	Solid line
Fairway	Area	Solid line
Rough	Агеа	na
Ditch	Linel	Solid line
Building	Area	Solid line
Bunker	Area	
Water	Area	^
Bush	Point	Υ
Tree	Point	*
Rock	Point	na
Mound	Point	na
Cart Path	Line3	6' wide solid line
Out of Bounds	Line2	
Flag or Pin	Point	<u> </u>
Area too small to display	Area	•
Current Location	Point	. +

FIG. 29

FIG. 30

21

62

19